



SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

February 2, 2006

Mr. Ron Ganzfried U.S. Army Engineer District, Sacramento Planning Division 1325 J Street Sacramento, CA 95814

Subject: Response to Request for Proposals, Potential Initial Projects

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2064's (RD 2064) proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is RD 2064 Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Very truly yours,

Siegfried Engineering, Inc.

Encl.

ınder

BERT W. SIEGFRIED cc: Mr. Donald Machado, Reclamation District No. 2064 President

Mr. John Stovall, Neumiller & Beardslee Law Offices, District Counsel

( A. CORRALES THONY J. LOPES DNEY W. GRAY

CIVIL ENGINEERING - STRUCTURAL ENGINEERING - LAND SURVEYING - PLANNING

# RECLAMATION DISTRICT NO. 2064 RESPONSE TO REQUEST FOR PROPOSALS CORPS OF ENGINEERS CALFED LEVEE SYSTEM INTEGRITY PROGRAM

## Name & Purpose of Potential Initial Project:

Reclamation District No. 2064, River Junction, Drainage Pump Upgrade and Erosion Control Project: Upgrade the drainage pumps to adequately serve the district and repair erosion around the pumps.

# Location:

Reclamation District No. 2064 (RD 2064), commonly referred to as River Junction, is within the legal Sacramento-San Joaquin Delta and is located within San Joaquin County, California. RD 2064 is a combination agricultural and residential district with approximately two hundred (200) property owners. It is located in the southern portion of the county along the boundary between San Joaquin and Stanislaus Counties. The levees along the Stanislaus and San Joaquin Rivers are Project levees. RD 2064 is generally bounded on the west and southwest by the San Joaquin River, on the southeast by the Stanislaus River, on the west by Manteca Road and on the north by Reclamation District No. 2094. It is accessible by Highway 120 and Airport Way. The specific project location, shown on the attached map, is at the pump station at Red Bridge Slough and the San Joaquin River.

### **Problems:**

At the northwest corner of the district, at the junction of the San Joaquin River and Red Bridge Slough, RD 2064 has three old drainage pumps used to pump out flood waters from within the district. Periodic flooding has occurred within RD 2064 and the path of the flood waters is well documented. Running southeast to northwest within the district is Red Bridge Slough. Flood waters within the district route to Red Bridge Slough where they are eventually pumped back into the San Joaquin River by two (2) one-hundred horsepower (100 hp) pumps and one (1) seventy-five horsepower (75 hp)

pump. The pumps need to be upgraded to handle the quantity of flood water routing from the slough to the San Joaquin river. In addition, erosion around the base of the pumps due to the increased flows in the slough is affecting the stability of the platform. The pilings need to be reinforced and stabilized to support the pumps.

# **Opportunities:**

To maintain the ability to pump out flood waters from the district the pumps at Red Bridge Slough need to be upgraded and the structure reinforced to withstand erosion. The upgrade will allow RD 2064 to adequately and quickly pump out flood waters from within the district and reduce the risk of Red Bridge Slough, an internal slough, topping its banks. This will reduce the amount of erosion on the interior levee slopes, help decrease the amount of sediment deposited within the district, and minimize the amount of structure damage as a result of flood waters.

## **Project Description:**

The proposed project will replace the existing pumps with newer, more efficient pumps capable of quickly pumping the flood waters from the slough. The pilings under the platform can be replaced complete, or a protective buttress placed around the base with backfill to protect the existing pilings and platform.

# **Statement of Willingness and Ability to Cost Share:**

RD 2064 is prepared to participate in this project by providing design and construction services, prepare and obtain any required permits, and to fund a portion of the work. An executed Letter of Intent to cost share is attached for your use.

In 2001, RD 2064 passed a highly contested Proposition 218 ballot to fund the flood control and maintenance activities of the district. The funding was approved for ten (10) years. A successful project, shared with the Corps of Engineers, will reinforce with the property owners of RD 2064 that the funding they approved was being used responsibly and effectively to flood protect their land.

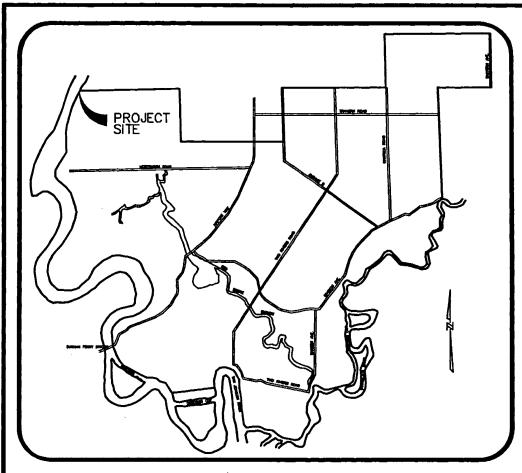
# **Point of Contact:**

For further information, necessary documentation, and/or questions, please contact the Engineer for Reclamation District No. 2064 at:

Siegfried Engineering, Inc. Deedee Antypas 4045 Coronado Avenue Stockton, CA 95204

Phone: 209-943-2021 Fax: 209-942-0214

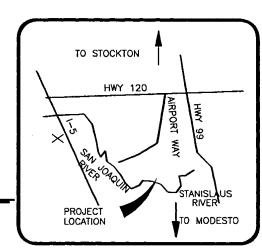
Email: dantypas@siegfriedeng.com



# VICINITY MAP

NOT TO SCALE

AREA MAP NOT TO SCALE



PURPOSE: UPGRADE DRAINAGE PUMPS AND STABILIZE SUPPORT **STRUCTURE** 

DATUM: N.G.V.D. 29 CITY OF STOCKTON ADJUSTMENT 1996

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# VICINITY & AREA MAP

RECLAMATION DISTRICT NO 2064 SAN JOAQUIN CO., CALIFORNIA

PROPOSED AREA OF PUMP UPGRADE AND SUPPORT STABILIZATION

IN: SAN JOAQUIN RIVER AT: MANTECA, CALIFORNIA COUNTY OF: SAN JOAQUIN CA.

APPLICATION BY: RD 2064

SHEET 1 OF 1 2/2/06

# **RECLAMATION DISTRICT NO. 2064**

# 30000 Garden Ave Manteca, CA 95337

January 30, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, CA 95814

Subject:

Letter of Intent to Share Costs

# Dear Colonel Light:

This letter conveys Reclamation District No. 2064's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2064, Drainage Pump Upgrade and Erosion Control Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2064 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2064 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted,

Donald Machado,

Reclamation District No. 2064 President





SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

February 2, 2006

Mr. Ron Ganzfried U.S. Army Engineer District, Sacramento Planning Division 1325 J Street Sacramento, CA 95814

Subject: Response to Request for Proposals, Potential Initial Projects

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2064's (RD 2064) proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is RD 2064 Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Very truly yours,

Siegfried Engineering, Inc.

Encl.

BERT W. SIEGFRIED cc: Mr. Donald Machado, Reclamation District No. 2064 President

ınder

Mr. John Stovall, Neumiller & Beardslee Law Offices, District Counsel

 CORRALES THONY J. LOPES DNEY W. GRAY

CIVIL ENGINEERING - STRUCTURAL ENGINEERING - LAND SURVEYING - PLANNING

# RECLAMATION DISTRICT NO. 2064 RESPONSE TO REQUEST FOR PROPOSALS CORPS OF ENGINEERS CALFED LEVEE SYSTEM INTEGRITY PROGRAM

# Name & Purpose of Potential Initial Project:

Reclamation District No. 2064, River Junction, San Joaquin River Dredging at Durham Ferry Bridge Project: Remove deposited material and debris creating a choke point in the river and causing flooding of adjacent properties.

# Location:

Reclamation District No. 2064 (RD 2064), commonly referred to as River Junction, is within the legal Sacramento-San Joaquin Delta and is located within San Joaquin County, California. RD 2064 is a combination agricultural and residential district with approximately two hundred (200) property owners. It is located in the southern portion of the county along the boundary between San Joaquin and Stanislaus Counties. The levees along the Stanislaus and San Joaquin Rivers are Project levees. RD 2064 is generally bounded on the west and southwest by the San Joaquin River, on the southeast by the Stanislaus River, on the west by Manteca Road and on the north by Reclamation District No. 2094. It is accessible by Highway 120 and Airport Way. The specific project location, shown on the attached map, is along the San Joaquin River at the Durham Ferry Bridge.

# **Problems:**

The Durham Ferry Bridge was constructed to allow traffic to pass over the San Joaquin River at Airport Way. The bridge was constructed narrower than the existing river span, and the support structure narrowed it even further. The high flows of the San Joaquin River would bottle-neck at the bridge due to the artificial narrowing of the river. Over time, sediment and debris have deposited at the bridge further constraining the river flow which causes the waters to back up and top the adjacent upstream levees. RD 2064 experiences almost routine flooding in the areas adjacent to the bridge during

high flow and storm events. The flooding cause damage to adjacent lands and erodes the landside slopes of the levee.

# **Opportunities:**

To increase the river flow through the bridge to its original design criteria, decrease the restricted flow through the bridge, and eliminate the amount of overtopping due to the backed-up waters, the San Joaquin River needs to be dredged at the Durham Ferry Bridge. Dredging at this location will improve the flow through the river and reduce the amount of flooding occurring on adjacent lands. The dredging would be in a limited area only thereby only minimally affecting wildlife. The dredged material can be used on the adjacent levees to rebuild areas that have eroded. The vegetation on the adjacent levee slope is predominantly grass that would be allowed to regrow over deposited material.

The decrease in overtopping due to the constricted flow at the bridge will allow RD 2064 to maintain the landside levee slope and decrease the amount of erosion caused by the flood waters against the unprotected slope.

### **Project Description:**

The proposed project will release restricted river flows at the bridge and decrease the amount of overtopping occurring on upstream levees. Clamshell dredging would be the best method because the area to be dredged is limited and the spoil material may be used on the adjacent levees for reconstruction.

The continued deposition of silt and debris at the constricted flow point at the bridge will increase the amount of flooding already occurring upstream from the bridge.

## Statement of Willingness and Ability to Cost Share:

RD 2064 is prepared to participate in this project by providing design and construction services, prepare and obtain any required permits, and to fund a portion of the work. An executed Letter of Intent to cost share is attached for your use.

In 2001, RD 2064 passed a highly contested Proposition 218 ballot to fund the flood control and maintenance activities of the district. The funding was approved for ten (10) years. A successful project, shared with the Corps of Engineers, will reinforce with the property owners of RD 2064 that the funding they approved was being used responsibly and effectively to flood protect their land.

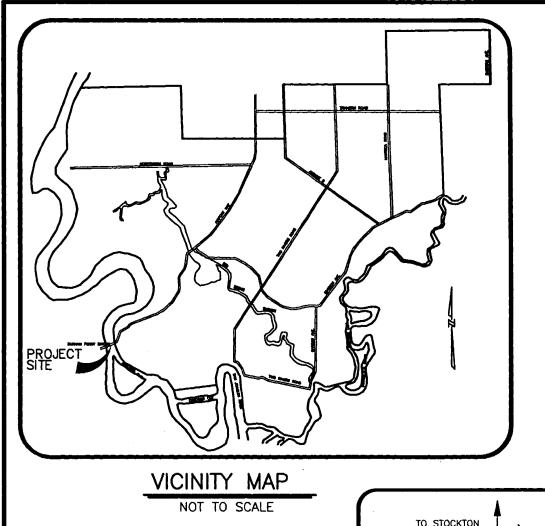
# Point of Contact:

For further information, necessary documentation, and/or questions, please contact the Engineer for Reclamation District No. 2064 at:

Siegfried Engineering, Inc. Deedee Antypas 4045 Coronado Avenue Stockton, CA 95204

Phone: 209-943-2021 Fax: 209-942-0214

Email: dantypas@siegfriedeng.com



TO STOCKTON HWY 120 PROJECT LOCATION TO MODESTO

AREA MAP

NOT TO SCALE

PURPOSE: REMOVE DEPOSITED MATERIAL FROM RIVER TO INCREASE FLOW UNDER BRIDGE.

DATUM: N.G.V.D. 29 CITY OF STOCKTON ADJUSTMENT 1996

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# VICINITY & AREA MAP

RECLAMATION DISTRICT NO 2064 SAN JOAQUIN CO., CALIFORNIA

PROPOSED AREA TO BE DREDGED FOR DEBRIS AND SEDIMENT REMOVAL

IN: SAN JOAQUIN RIVER AT: MANTECA, CALIFORNIA COUNTY OF: SAN JOAQUIN CA. APPLICATION BY: RD 2064

SHEET 1 OF 1 2/2/06

# RECLAMATION DISTRICT NO. 2064

# 30000 Garden Ave Manteca, CA 95337

January 30, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, CA 95814

Subject:

**Letter of Intent to Share Costs** 

Dear Colonel Light:

This letter conveys Reclamation District No. 2064's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2064, San Joaquin River Dredging at Durham Ferry Bridge Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2064 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2064 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted,

Donald Machado,

Reclamation District No. 2064 President



SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

February 2, 2006

Mr. Ron Ganzfried U.S. Army Engineer District, Sacramento Planning Division 1325 J Street Sacramento, CA 95814

Response to Request for Proposals, Potential Initial Projects Subject:

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2064's (RD 2064) proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is RD 2064 Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Very truly yours,

Siegfried Engineering, Inc.

Deedee A. Antypas

Encl.

ROBERT W. SIEGFRIED cc: Mr. Donald Machado, Reclamation District No. 2064 President

founder LEX A. CORRALES Mr. John Stovall, Neumiller & Beardslee Law Offices, District Counsel

ANTHONY J. LOPES RODNEY W. GRAY

CIVIL ENGINEERING - STRUCTURAL ENGINEERING - LAND SURVEYING - PLANNING

# RECLAMATION DISTRICT NO. 2064 RESPONSE TO REQUEST FOR PROPOSALS CORPS OF ENGINEERS CALFED LEVEE SYSTEM INTEGRITY PROGRAM

## Name & Purpose of Potential Initial Project:

Reclamation District No. 2064, River Junction, San Joaquin Levee Repair Project: Provide stabilization and erosion control to the north bank of the San Joaquin River levee.

## Location:

Reclamation District No. 2064 (RD 2064), commonly referred to as River Junction, is within the legal Sacramento-San Joaquin Delta and is located within San Joaquin County, California. RD 2064 is a combination agricultural and residential district with approximately two hundred (200) property owners. It is located in the southern portion of the county along the boundary between San Joaquin and Stanislaus Counties. The levees along the Stanislaus and San Joaquin Rivers are Project levees. RD 2064 is generally bounded on the west and southwest by the San Joaquin River, on the southeast by the Stanislaus River, on the west by Manteca Road and on the north by Reclamation District No. 2094. It is accessible by Highway 120 and Airport Way. The specific project location, shown on the attached map, is along the San Joaquin River on the west boundary.

### **Problems:**

RD 2064 is a combined agricultural and residential district with approximately two hundred (200) property owners that are flood protected by twelve miles of levee. The west boundary of the district along the San Joaquin River is subject to severe erosion due to the forces of the San Joaquin River. North of the Durham Ferry Bridge the river turns severely creating an area subject to the eroding forces of the river. The river is rapidly eroding the north levee bank in this area and, if left unchecked, will soon

disturb the toe of the levee and subsequently the integrity of the levee. Photos demonstrating the degree of erosion are available upon request.

On the landside of the eroding section of the levee is an alternative school site operated by the San Joaquin County Department of Education. Erosion of the integrity and stability of the adjacent levee poses a threat to the safety of the students and faculty at the school site.

# **Opportunities:**

To flood protect RD 2064 from a breach along the San Joaquin River due to erosion, the waterside slope of the levee needs to be regraded, stabilized, and reinforced with stone protection. The native levee material cannot withstand the erosive forces of the San Joaquin River.

Reinforcing the waterside slope of the San Joaquin River north of the Durham Ferry Bridge with geotextiles, stone fill, and stone protection will protect the levee from erosive water forces. The stability of this levee is vital for the protection of the adjacent school site and the agricultural and residential properties within the district.

### **Project Description:**

The proposed project will reinforce and stabilize the waterside slope of the San Joaquin River, north of the Durham Ferry Bridge, by clearing and grubbing the slope, reshaping to its original slope, protecting the native levee with geotextile fabrics and/or stone fill, and protecting the stability and overall integrity with stone protection.

Currently, the native vegetation on the levee slope is primarily low growing grasses which do not create special habitats that need to be protected.

RD 2064 recognizes the erosion of this section of the levee from water forces poses a threat to the adjacent school site and the lands within the district. Repairing and

reinforcing the waterside levee slope will stabilize the levee and help resist the eroding

water forces to protect the school, farms, homes, and businesses within the district.

**Statement of Willingness and Ability to Cost Share:** 

RD 2064 is prepared to participate in this project by providing design and construction

services, prepare and obtain any required permits, and to fund a portion of the work. An

executed Letter of Intent to cost share is attached for your use.

In 2001RD 2064 passed a highly contested Proposition 218 ballot to fund the flood

control and maintenance activities of the district. The funding was approved for ten (10)

years. A successful project, shared with the Corps of Engineers, will reinforce with the

property owners of RD 2064 that the funding they approved was being used responsibly

and effectively to flood protect their land.

**Point of Contact:** 

For further information, necessary documentation, and/or questions, please contact the

Engineer for Reclamation District No. 2064 at:

Siegfried Engineering, Inc.

Deedee Antypas

4045 Coronado Avenue

Stockton, CA 95204

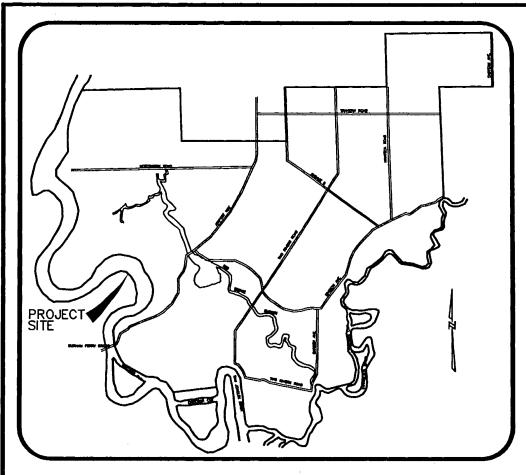
Phone: 209-943-2021

209-942-0214

Email: dantypas@siegfriedeng.com

Page 3 of 3

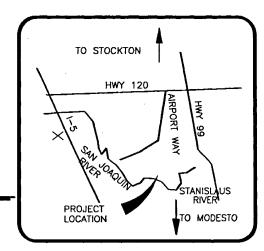
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# VICINITY MAP

NOT TO SCALE

AREA MAP NOT TO SCALE



PURPOSE: PROVIDE STABILIZATION AND EROSION CONTROL OF NORTH BANK LEVEE OF THE SAN JOAQUIN RIVER

DATUM: N.G.V.D. 29 CITY OF STOCKTON ADJUSTMENT 1996

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# VICINITY & AREA MAP

RECLAMATION DISTRICT NO 2064 SAN JOAQUIN CO., CALIFORNIA

PROPOSED AREA TO BE REPAIRED FOR EROSION CONTROL AND STABILITY

IN: SAN JOAQUIN RIVER AT: MANTECA, CALIFORNIA COUNTY OF: SAN JOAQUIN CA. APPLICATION BY: RD 2064

SHEET 1 OF 1 2/2/06

# **RECLAMATION DISTRICT NO. 2064**

# 30000 Garden Ave Manteca, CA 95337

January 30, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, CA 95814

**Subject:** Letter of Intent to Share Costs

# Dear Colonel Light:

This letter conveys Reclamation District No. 2064's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2064, San Joaquin River Levee Repair Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2064 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2064 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted.

Donald Machado,

Reclamation District No. 2064 President





SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

February 2, 2006

Mr. Ron Ganzfried U.S. Army Engineer District, Sacramento Planning Division 1325 J Street Sacramento, CA 95814

Subject: Response to Request for Proposals, Potential Initial Projects

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2064's (RD 2064) proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is RD 2064 Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Very truly yours,

Siegfried Engineering, Inc.

Encl.

ROBERT W. SIEGFRIED cc: Mr. Donald Machado, Reclamation District No. 2064 President

founder

Mr. John Stovall, Neumiller & Beardslee Law Offices, District Counsel

LEX A. CORRALES ANTHONY J. LOPES RODNEY W. GRAY

CIVIL ENGINEERING - STRUCTURAL ENGINEERING - LAND SURVEYING - PLANNING 

# RECLAMATION DISTRICT NO. 2064 RESPONSE TO REQUEST FOR PROPOSALS CORPS OF ENGINEERS CALFED LEVEE SYSTEM INTEGRITY PROGRAM

# Name & Purpose of Potential Initial Project:

Reclamation District No. 2064, River Junction, Red Bridge Slough Dredging and Rehabilitation Project: Dredge built-up sediment from an interior drainage slough and rehabilitate the side slopes with spoil material.

# **Location:**

Reclamation District No. 2064 (RD 2064), commonly referred to as River Junction, is within the legal Sacramento-San Joaquin Delta and is located within San Joaquin County, California. RD 2064 is a combination agricultural and residential district with approximately two hundred (200) property owners. It is located in the southern portion of the county along the boundary between San Joaquin and Stanislaus Counties. The levees along the Stanislaus and San Joaquin Rivers are Project levees. RD 2064 is generally bounded on the west and southwest by the San Joaquin River, on the southeast by the Stanislaus River, on the west by Manteca Road and on the north by Reclamation District No. 2094. It is accessible by Highway 120 and Airport Way. The specific project location, shown on the attached map, is at Red Bridge Slough located within the district boundaries.

# **Problems:**

Red Bridge Slough is an internal drainage slough that originally ran from the San Joaquin River at Garden Avenue in the south portion of the district, northwesterly to approximately Mortensen Road. Red Bridge Slough served to provide irrigation waters to properties within the district. Over time, a portion of the slough was piped and its length was extended to the San Joaquin River in the northwest corner of the district. The extension of Red Bridge Slough allowed a pathway for flood waters from breaches in the south portion of the district to route back into the San Joaquin River. RD 2064

operates pumps located at the northwest end of the slough to pump flood waters back into the San Joaquin River. Over time the slough has filled in from sediment deposits, vegetation growth, and waterside slope erosion. As a result, the volume of flood water the slough can contain and transport has been greatly reduced.

### **Opportunities:**

Red Bridge Slough is an internal slough that is vital to the full flood protection and maintenance capabilities of RD 2064. To continue to effectively route flood waters back into the San Joaquin river with minimal impact to the entire district, Red Bridge Slough needs to be dredged. Allowing the slough to continue to fill in with silt and debris compromises the ability of RD 2064 to drain flood waters from within the district.

The dredging will allow the slough to be reconstructed to its maximum capacity, remove channel vegetation that block free flow of water, and reshape the levee slopes to withstand water forces and provide an area for erosion control through vegetation.

# **Project Description:**

The proposed project will dredge the built up silt and remove debris from the Red Bridge Slough. Clean material can be used to rebuild the waterside levee slopes where erosion has occurred.

The predominant vegetation on the levee slope is low growing native grasses. The grasses may be either reseeded or allowed to regrow naturally on the clean spoil material when the slopes are rebuilt. The slough is clogged with a variety of non-native brush and weeds.

# Statement of Willingness and Ability to Cost Share:

RD 2064 is prepared to participate in this project by providing design and construction services, prepare and obtain any required permits, and to fund a portion of the work. An executed Letter of Intent to cost share is attached for your use.

In 2001, RD 2064 passed a highly contested Proposition 218 ballot to fund the flood control and maintenance activities of the district. The funding was approved for ten (10) years. A successful project, shared with the Corps of Engineers, will reinforce with the property owners of RD 2064 that the funding they approved was being used responsibly and effectively to flood protect their land.

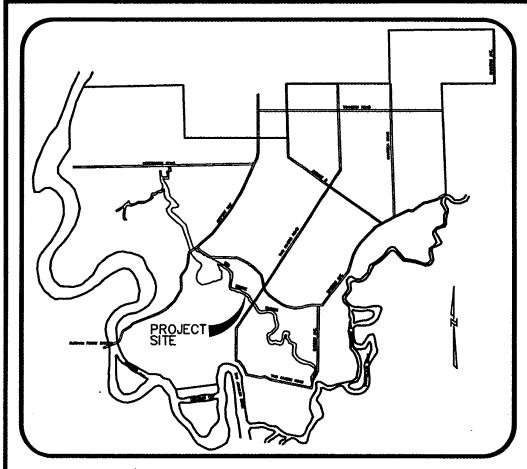
# **Point of Contact:**

For further information, necessary documentation, and/or questions, please contact the Engineer for Reclamation District No. 2064 at:

Siegfried Engineering, Inc. Deedee Antypas 4045 Coronado Avenue Stockton, CA 95204 Phone: 209-943-2021

Phone: 209-943-2021 Fax: 209-942-0214

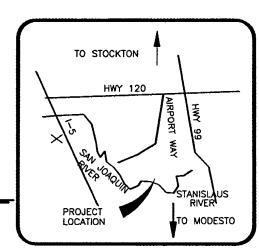
Email: dantypas@siegfriedeng.com



# VICINITY MAP

NOT TO SCALE

AREA MAP NOT TO SCALE



PURPOSE: DREDGE SLOUGH TO PROVIDE FULL CAPACITY CAPABILITIES TO ROUTE FLOOD **WATERS** 

DATUM: N.G.V.D. 29 CITY OF STOCKTON ADJUSTMENT 1996

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# VICINITY & AREA MAP

RECLAMATION DISTRICT NO 2064 SAN JOAQUIN CO., CALIFORNIA

PROPOSED AREA DREDGED FOR SEDIMENT AND DEBRIS REMOVAL

IN: SAN JOAQUIN RIVER AT: MANTECA, CALIFORNIA COUNTY OF: SAN JOAQUIN CA. APPLICATION BY: RD 2064

SHEET 1 OF 1 2/2/06

# **RECLAMATION DISTRICT NO. 2064**

# 30000 Garden Ave Manteca, CA 95337

January 30, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, CA 95814

Subject: Letter of Intent to Share Costs

# Dear Colonel Light:

This letter conveys Reclamation District No. 2064's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2064, Red Bridge Slough Dredging and Rehabilitation Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2064 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2064 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted,

Donald Machado,

Reclamation District No. 2064 President





SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

February 2, 2006

Mr. Ron Ganzfried U.S. Army Engineer District, Sacramento Planning Division 1325 J Street Sacramento, CA 95814

Subject: Response to Request for Proposals, Potential Initial Projects

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2064's (RD 2064) proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is RD 2064 Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Very truly yours,

Siegfried Engineering, Inc.

.....

Encl.

ERT W. SIEGFRIED cc: Mr. Donald Machado, Reclamation District No. 2064 President

Mr. John Stovall, Neumiller & Beardslee Law Offices, District Counsel

A. CORRALES HONY J. LOPES

NEY W. GRAY

CIVIL ENGINEERING - STRUCTURAL ENGINEERING - LAND SURVEYING - PLANNING

# RECLAMATION DISTRICT NO. 2064 RESPONSE TO REQUEST FOR PROPOSALS CORPS OF ENGINEERS CALFED LEVEE SYSTEM INTEGRITY PROGRAM

# Name & Purpose of Potential Initial Project:

Reclamation District No. 2064, River Junction, San Joaquin River and Stanislaus River Levee Repair Project: Provide stabilization and erosion control to the waterside bank of the San Joaquin River and Stanislaus River levees.

## Location:

Reclamation District No. 2064 (RD 2064), commonly referred to as River Junction, is within the legal Sacramento-San Joaquin Delta and is located within San Joaquin County, California. RD 2064 is a combination agricultural and residential district with approximately two hundred (200) property owners. It is located in the southern portion of the county along the boundary between San Joaquin and Stanislaus Counties. The levees along the Stanislaus and San Joaquin Rivers are Project levees. RD 2064 is generally bounded on the west and southwest by the San Joaquin River, on the southeast by the Stanislaus River, on the west by Manteca Road and on the north by Reclamation District No. 2094. It is accessible by Highway 120 and Airport Way. The specific project location, shown on the attached map, is along the San Joaquin River and Stanislaus River.

### **Problems:**

RD 2064 is a combined agricultural and residential district with approximately two hundred (200) property owners that are flood protected by twelve miles of levee. The waterside levees throughout the district are native material with a moderate amount of vegetation, mostly grasses, growing. These levees are subject to severe erosion from the cutting action of the rivers. The levees and adjacent berms are systematically eroding away, threatening the stability of the levee toe. The most pronounced and severe erosion is located north of the Durham Ferry Bridge where the river turns

abruptly. The San Joaquin River is rapidly eroding the north levee bank in this area and, if left unchecked, will soon disturb the toe of the levee and subsequently the integrity of the levee. Photos demonstrating the degree of erosion are available upon request.

Most of the land adjacent to the levees is agricultural with intermittent residential. In the area on the San Joaquin River north of the Durham Ferry Bridge, the landside of the levee is occupied by an alternative school site operated by the San Joaquin County Department of Education. Erosion of the integrity and stability of the adjacent levee poses a threat to the safety of the students and faculty at the school site.

## **Opportunities:**

To slow the progress of the river cutting the levees, the waterside slope of the levees throughout the district need to be regraded, stabilized, and reinforced with stone protection. The native levee material cannot continue to withstand the erosive forces of the San Joaquin and Stanislaus Rivers and reinforcement is necessary to protect the agricultural and residential properties within the district.

For the area north of the Durham Ferry Bridge on the San Joaquin River, reinforcing the waterside slope with geotextiles, stone fill, and stone protection will serve to protect the levee from erosive water forces at an already weakened area. The stability of the levee, particularly in this area, is vital for the protection of the adjacent school site.

# **Project Description:**

The proposed project will reinforce and stabilize the waterside slope of the San Joaquin River and Stanislaus River levees from the easternmost boundary to the west boundary, by clearing and grubbing the slope, reshaping to its original slope, protecting the native levee with geotextile fabrics and/or stone fill, and protecting the stability and overall integrity with stone protection.

It is important to reinforce the waterside slope of the entire stretch of levee within the

district, but the levee section north of Durham Ferry Bridge and adjacent to the school

site is of primary importance. The high waters and storm conditions over the New

Year's weekend caused significant areas of new erosion in an area that is already weak.

Currently, the native vegetation on the levee slope is primarily low growing grasses

which do not create special habitat that need to be protected.

The erosion of the levee banks throughout RD 2064's project levees threaten all the

properties, homes and businesses within the district. Repairing and reinforcing the

waterside levee slope will stabilize the levee and help resist the eroding water forces to

protect the school, farms, homes, and businesses within the district.

**Statement of Willingness and Ability to Cost Share:** 

RD 2064 is prepared to participate in this project by providing design and construction

services, prepare and obtain any required permits, and to fund a portion of the work. An

executed Letter of Intent to cost share is attached for your use.

In 2001, RD 2064 passed a highly contested Proposition 218 ballot to fund the flood

control and maintenance activities of the district. The funding was approved for ten (10)

years. A successful project, shared with the Corps of Engineers, will reinforce with the

property owners of RD 2064 that the funding they approved was being used responsibly

and effectively to flood protect their land.

**Point of Contact:** 

For further information, necessary documentation, and/or questions, please contact the

Engineer for Reclamation District No. 2064 at:

Siegfried Engineering, Inc.

Deedee Antypas

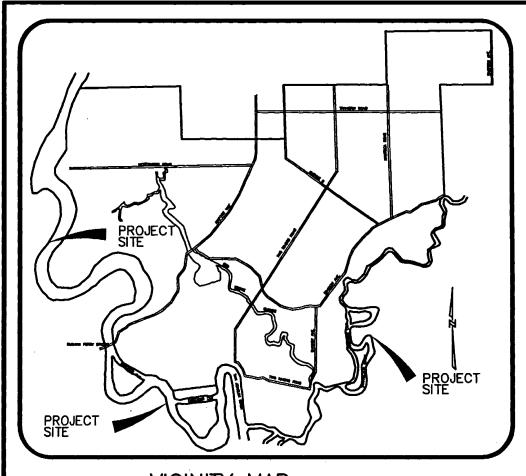
4045 Coronado Avenue

Stockton, CA 95204

Phone: 209-943-2021

Fax: 209-942-0214

Email: dantypas@siegfriedeng.com

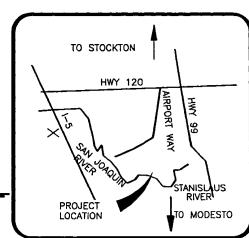


# VICINITY MAP

NOT TO SCALE

AREA MAP

NOT TO SCALE



PURPOSE: PROVIDE STABILIZATION AND EROSION CONTROL OF THE SAN JOAQUIN RIVER & STANISLAUS RIVER LEVEES

DATUM: N.G.V.D. 29 CITY OF STOCKTON ADJUSTMENT 1996

F:\02205/021\C0E.DWG

# VICINITY & AREA MAP

RECLAMATION DISTRICT NO 2064 SAN JOAQUIN CO., CALIFORNIA

PROPOSED AREA TO BE REPAIRED FOR STABILIZATION & EROSION CONTROL

IN: SAN JOAQUIN RIVER AT: MANTECA, CALIFORNIA COUNTY OF: SAN JOAQUIN CA. APPLICATION BY: RD 2064

SHEET 1 OF 1 2/2/06

# **RECLAMATION DISTRICT NO. 2064**

# 30000 Garden Ave Manteca, CA 95337

January 30, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, CA 95814

Subject: Letter of Intent to Share Costs

Dear Colonel Light:

This letter conveys Reclamation District No. 2064's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2064, San Joaquin River and Stanislaus River Levee Repair Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2064 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2064 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted,

Donald Machado,

Reclamation District No. 2064 President